PTO/SB/08A (08-03)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

TRADE TO THE SUBSTITUTE FOR 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of 2

Complete if Known						
Application Number	10/736,068					
Filing Date	Dec. 15, 2003					
First Named Inventor	Ronald Mahany					
Group Art Unit	2061 2617					
Examiner Name	Not assigned					
Attorney Docket Number	14235US02					

			U.S. PATENT DO	CUMENTS	
Examiner Cite Document Number Initial* No.1 Number-Kind Code 2 (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
PHD	A1	4,247,908	1/1981	Lockhart, Jr. et al.	1
1	A2	4,639,914	01/1987	Winters	1
	A3	4,644,351	02/17/1987	Zabarsky et al.	
	A4	4,803,487	02/07/1989	Willard et al.	
	A5	4,807,222	02/1989	Amitay	
	A6	4,910,794	03/20/1990	Mahany	
	A7	4,924,462	05/08/1990	Sojka	
	A8	5,008,883	04/1991	Eizenhofer et al.	
	A9	5,029,183	7/1991	Tymes	
1	A10	5,046,066	9/1991	Messenger	1
	A11	5,052,020	09/24/1991	Koenck et al.	
1	A12	5,070,536	12/1991	Mahany et al.	
	A13	5,077,830	12/1991	Mallia	
	A14	5,150,360	09/22/1992	Perlman et al.	
	A15	5,181,200	1/1993	Harrison	
1	A16	5,210,787	05/11/1993	Hayes et al.	
	A17	5,245,051	09/1993	Mahany	
	A18	5,252,979	10/1993	Nyson	
	A19	5,276,680	1/1994	Messenger	
	A20	5,289,378	2/1994	Miller et al.	
	A21	5,295,154	3/1994	Meier et al.	
	A22	5,303,286	04/12/1994	Wiedeman	
	A23	5,331,634	07/19/1994	Fischer	
	A24	5,337,044	08/1994	Folger et al.	
	A25	5,339,316	8/1994	Diepstraten	
	A26	5,339,352	08/16/1994	Armstrong et al.	
	A27	5,349,678	09/20/1994	Morris et al.	
	A28	5,528,025	6/1996	Swintek	
	A29	5,555,276	09/10/1996	Koenck et al.	
	A30	5,568,645	10/22/1996	Morris et al.,	1
	A31	5,602,854	02/11/1997	Luse et al.	
V	A32	5,602,936	2/1997	Green et al.	
PHD	A33	5,657,317	08/12/1997	Mahany et al.	

EXAMINER DATE CONSIDERED 01 **SIGNATURE**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process)

an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

14235US02

Approved for use through 10/31/2002. OMB 0551-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction act of 1995, no persona are required to respond to a collection of information unless it displays a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO **Application Number** 10/736,068 INFORMATION DISCLOSURE Filing Date Dec. 15, 2003 First Named Inventor 2661 STATEMENT BY APPLICANT 2661 **Group Art Unit Examiner Name** Not assigned (use as many sheets as necessary)) Attorney Docket Number

2

Of

			U.S. PATENT DO	CUMENTS			
LABITITIES CITE			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, When Relevant Passages or Relevan Figures Appear		
DHA	A34	5,673,031	09/30/1997	Meier			
1	A35	5,675,375	08/12/1997	Connolly et al.			
	A36	5,680,633	10/21/1997	Koenck et al.			
	A37	5,682,379	10/28/1997	Mahany et al.			
	A38	5,696,903	12/09/1997	Mahany			
	A39	5,708,680	01/13/1998	Gollnick et al.			
1.	A40	5,726,984	03/10/1998	Kubler et al.			
	A41	5,740,366	04/14/1998	Mahany et al.			
	A42	5,790,536	8/1998	Mahany et al.			
	A43	5,805,807	9/1998	Hanson et al.			
	A44	5,950,124	09/07/1999	Trompower et al.			
	A45	6,006,090	12/21/1999	Coleman et al.			
1	A46	6,006,100	12/21/1999	Koenck et al.			
	A47	6,031,830	02/29/2000	Cowan			
, V	A48	6,069,877	05/30/2000	Yang			
PHD	A49	6,259,898	07/10/2001	Lewis	1		

	FOREIGN PATENT DOCUMENTS									
Examiner Cite	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	то				
Initials*	No. 1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	'				
PHD	A50	WO 92/02084	02/06/1992	Koenck et al.						
	A51	JP 2060252	02/28/1990	Toshiba						
	A52	EP 0549235	06/30/1993	NCR International						
	A53	WO 93/07691	04/15/1993	NORAND CORP.						
	A54	WO 94/15413	07/07/1994	NORAND CORP.						
	A55	WO 94/27382	11/24/1994	NORAND CORP.						
V	A56	WO 96/03823	02/08/1996	NORAND CORP.						

	OTHER ART NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published							
	A57								
	A58								

EXAMINER	PHUOC	DOAN	DATE CONSIDERED	Di	03	08

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy

of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant's unique citation designation number (optional).

The two-letter code (WIPO Standard ST.3).

The parameter of the patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Skind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible.

Applicant is to place a check mark here if English language Translation is attached.

Sheet

Rev. Sept. 03

0,.4.4	A		and the second as	1 01 1995	. No persons are requ	aired to respon	it and i rademark	Office: L	J.S. DEP	ARTMENT OF	3/UBA ((COMM
Supsti	tute fo	or form 144!	oder the Paperwork Reduction as BAPTO				w a concesson of in	mation (inleas it cor	tains a valid OMB	COURTO IN
		INFO	RMATION DISCL	00.			pplication Nur		te If Kn	own a	
		STAT	CHENT DISCL	.OSU	RE	Fi	ling Date	noer		10/736,068	
		SIAI	EMENT BY APP	LICA	NT '	FI	rst Named Inv	entor		Dec. 15, 200)3
					•	Gr	oup Art Unit	CHIOI		Ronald L. M.	ahany
		(us	as many sheets as neces	ssarv)		Ex	aminer Name			2661	
Sheet		1	of		1					To 8e Assign	ber
							omey Docket	vumber	}	14235US02	
				U.S.	PATENT DO	Caladra					
Exami		Cite	Document Number	Disk	" "	COMENT	<u>s</u> .				
Initia		No.1	Number-Kind Code (if known)	MA	lication Date	Nan	ne of Patentee or		Pages.	Columns, Line	e la/h o
PHI	7	A1 .	5,153,902			Applica	nt of Cited Docum	nent	Leievat	11 Passages or	Relava
PH	D	A2	5,353,340	10	-06-1992		Buhl et al.	~ 		Figures Appea	r r
		A3	9,303,340	10	04-1994		Kunz				
		A4					.tuis				
7		A5									·
7		A6									
7		A7									
_/-	\rightarrow	A8									
/	_	A9		_							
	_	A10					<u> </u>	$-\!\!\perp$			
		A11									
	_1/	412									
								. T			
<u> </u>	· —		F	ORFIG	N DATEUR						
aminer illials*	Cit				N PATENT D	OCUME	VTS				
- Claus	No.		y Code ² -Number ⁴ -Kind Code ³ (# A	(Acres)	Publication Date MM-DD-YYYY		ame of Patentoe or		Pages, C	olumns, Lines,	
	A1:	3			1111700-1111	Applic	ant of Cited Docum				70
-	A14								A KOREASU	Figures Appear	-
7_	_A15	;									
_/ /	A16										
_ 7]	A17										
			0								
camine		-	OTHER ART -	NON F	ATENT LITE	RATURE	DOO!		<u> </u>	<u> </u>	
itials*	"	Cite No.1	include name of th	e autho	(in CAPITAL LE	TIERS) #	DOCUMENT	5			
iidais			Include name of the Item (book, ma	gazine,	journal, serial, sy	mposium, c	e of the article (watelog, etc.), date	ипел арр	ropriate).	title of the	
		A18		7101710	ens), publisher,	city and/or c	atolog, etc.), date country where pul	or payers blished	y, volume	Hssue	- 1
		A19									
	1	A20			- <u> </u>						
\	T	A21									
		A22									
MINER		_						١	1		
ATUR	EΙ		-/ 1) ha/	DA	TE CONSIDE	RED	7				•
INCD. 1	and to	eference cons	dered, whether or not citation is ion to applicant. Applicant's uni- ed the document, by the two-len	,			01	03	100		
med sid	vith per	c communicati	ion to applicant A	in confor	THE WILL MITTER	9: Draw line	American de la companya de la compan		_ s	<u>. </u>	_
Dist new	Enter O	ffice that jagu	ed the document, by the two-lett	das citatio	n designation numbe	r (optional). 3	ce Kinds Codes of I	in confor	mance and I	not considered. In	chude
M is to al-			The property description of the state of the	-64		~ CVL JODANE	SE DRIADE CO		. —	. — «« — » « . <u>Ш. П. О.</u> О.	DV 0+
			· · · UKING UIDRINGS Tenneledian :		L h . 10 !	⊷ аγщоондас н	Michael on Aland			A CALLES IN THE LEGISTRA V	f +k_
ation Col	ntidenn	ality is govern	ed by 35 U.S.C 122 and 12 CED	toformatic	o is required to obmi	D Of retain a N	enaffa buraha a u		, - 0	ome at 10 It bors	ible.
ns for red	waron UCIAZ ti	n to the USP	if English language Translation is 1 by 37 CFR 1.97 and 1.98. The cod by 35 U.S.C. 122 and 37 CFR 1.07. Time will vary depending table be sent to the Chief Information of	upon the	individual case	ed to take 2 ho	ours to complete, inch	ngias eer-	le (and by	the USPTO to proc	CES)
			were use some to the Chief Informer			y continents o	In the amount of a	D 11C	····· Prober	UR and Ethmiring	· sha
COMPLI	ETED F	ORMS TO T	IS ADDRESS SUNATION	oon Oince	7, U.S. Palere and To	ademark Offic	C PO Ben 100	on Aprilia di	tire to com	plete this room	4/-
COMPLE	ETED F	ORMS TO TO	nd by 15 U.S.C. 122 and 37 CFR TO. Time will vary depending uld be sent to the Chief Informatilis US ADDRESS. Send TO: Com fyou need assistance in completi	missioner ng the for-	for Patents, P.O. Be	ademark Offic ox 1450, Akza	c. P.O. Box 1450 Al	ne you requ Isn	'A 22313-J	plete this form and	d/or ND
COMPLE of 03	ETED F	ORMS TO T	TO. Time will vary depending uld be sent to the Chief Information IIS ADDRESS. Send TO: Com. I you need attistance in complete	missioner ng the fort	r, U.S. Palent and Ti for Patents, P.O. Bo n. coll 1-800-PTY)-91	ademark Offic at 1450, Akza 09 (1800-766-	c. P.O. Box 1450 Al ndria, VA 22313-14 9199) and select optic	ne you requ sxandria, V 150. o <i>n 1</i> .	'A 22313-1	plete this form an 450. DO NOT SE	d/or ND

PAGE 5/6 * RCVD AT 6/29/2004 7:39:01 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/6 * DNIS:8729306 * CSID:3127079155 * DURATION (mm-ss):01-58

MAY 0 9 2006

PTO/SB/08A (08-03)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known						
Application Number	10/736,068					
Filing Date	December 15, 2003					
First Named Inventor	Ronald L. Mahany et al.					
Group Art Unit	2616					
Examiner Name	- Yu, Huy Duy					
Attorney Docket No.	14235US02					

			U.S. PATENT DO	CUMENTS			
Initial* No 1 Numb		Document Number Number-Kind Code 2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear		
PHD	A1 _	4,553,081	11-12-1985	Koenck .			
	A2	4,716,354	12-29-1987	Hacker			
	A3	4,961,043	10-02-1990	Koenck			
	A4	5,260,988	11-09-1993	Schellinger et al.			
	A5	5,371,898	12-06-1994	Grube et al.			
	A6	5,420,911	05-30-1995	Dahlin et al.			
	A7	5,452,289	09-19-1995	Sharma et al.			
	A8	5,533,019	07-02-1996	Jayapalan			
	A9	5,546,077	10-08-1996	Obayashi et al.			
	A10	5,594,782	01-14-1997	Zicker et al.			
	A11	5,610,910	03-11-1997	Focsaneanu et al.			
	A12	5,654,957	08-05-1997	Koyama			
	A13	5,754,542	05-19-1998	Ault et al.			
V	A14	5,764,736	06-09-1998	Shachar et al.			
PHD	A15	5,777,991	07-07-1998	Adachi et al.	V		
	1						

	FOREIGN PATENT DOCUMENTS									
Examiner Cite		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages					
Initials*	No. ¹	Country Cade ³ -Number ⁴ -Kind Code ⁶ (if known)	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	<u>'</u>				
PHD	B1	PCT/WO91/08629	06-13-1991	Berken		_				

		OTHER ART NON PATENT LITERATURE DOCUMENTS
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

		1000000			
EXAMINER SIGNATURE	-m 0m	DATE CONSIDERED	01	03	08

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

Rev. Sept. 03

J:\Open\phs\Broadcom (1772)\Qualcomm\Santa Ana 05-467 Litigation Statement & IDS\5,657,317 and 6,389,010 - VoIP\No Fee\14235US02\14235US02
PTOSB08A.doc

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO Application Number 10/736,068 Filing Date December 15, 2003 INFORMATION DISCLOSURE First Named Inventor Ronald L. Mahany et al. STATEMENT BY APPLICANT 2616 **Group Art Unit Examiner Name** Vu, Huy Duy (use as many sheets as necessary) Attorney Docket No. 14235US02 of Sheet

		OTHER ART NON PATENT LITERATURE DOCUMENTS
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), litle of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
PHD	C1	Amended Preliminary Invalidity Contentions with Exhibit D, 02/21/2006
	C2	FISHER R., "Dual Mode Mobile Unit For Next Generation Digital Narrow Channel Cellular Telephone System", IEEE 1988, Ch. 2622, pp. 543-547
	C3	EIA/TIA Interim Standard: Cellular System Dual-Mode Mobile station – Base Station Compatibility Standard IS-54, published on or before 05/1990
	C4	KARN P., "Amateur TCP/IP: An Update", ARRL Amateur Radio 7th Computer Networking Conference, 10/01/1988
	C5	KARN P., KA9Q Software, 1991, 01/1992 and 12/1992 versions
	C6	FRANK D., "Transmission of IP Datagrams Over NET/ROM Networks", ARRL Amateur Radio 7th Computer Networking Conference, 10/01/1988
	C7	KARN P., Amateur TCP/IP in 1989, ARRL Amateur Radio 8th Computer Networking Conference, 10/07/1989
	C8	KARN P., "The KA9Q Internet (TCP/IP) Package: A Progress Report", ARRL Amateur Radio 6th Computer Networking Conference, 10/07/1987
	C9	BROCK M., et al., "A High Performance Packet Switch", PS-186 Documentation
	C10	KANTOR B., "Software Design Issues For The PS-186 Advanced Packet Network Controller", ARRL Amateur Radio 6th Computer Networking Conference, 08/29/1987
	C11	RAIKES et al., "NET/ROM State-Of-The-Art Networking Firmware For The TNC-2: Amateur Radio Version 1 Documentation", 05/1987
	C12	KUNZINGER F.F., "Energy Saving Features Of The Autoplex Cellular Telecommunications System", 12th International Telecommunications Energy Conference (INTELEC), pp. 47-54, 10/21-25-1990
V	C13	KA9Q NOS Radio Unit, published on or before 12/1992
PHD	C14	PS-186 Advanced Packet Network Controller, published on or before 11/13/1987

EXAMINER SIGNATURE	_ Phur	DATE CONSIDERED	O1	03	04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

	Substitute for form 1449A/PTO			Complete if Known			
Substitute for				Application Number	10/736,068		
INFORMATION DISCLOSURE				Filing Date	December 15, 2003		
STATEMENT BY APPLICANT				First Named Inventor	Ronald L. Mahany et al.		
	PIAICIVICI	NI DI APPLI	JAN I	Group Art Unit	2616		
				Examiner Name	-Vu, Huy Duy.		
	(use as many sheets as necessary)			Attorney Docket No.	14235US02		
Sheet	1	of	1	Attorney Docket No.	142550502		

	U.S. PATENT DOCUMENTS							
Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
PHD	A7	5,295,154	03/15/1994	Meier et al.				
PHD	A8	5,394,436	02/28/1995	Meier et al.				

	FOREIGN PATENT DOCUMENTS								
Examiner initials*	Cite No. 1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6			
CHG	B1	WO 94/11967	05/26/1994	Weeks		=			
CHG	B2	WO 96/05592	02/22/1996	Qualcomm					

		OTHER ART NON PATENT LITERATURE DOCUMENTS
Examiner Cite		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
PHO	C15	HUANG, "Data Replication For Mobile Computers", ACM-SIGMOD, 05/1994
	C16	BLAZE, "Catching In Large-Scale Distributed File Systems", PhD thesis, Princeton University, 01/1993
	C17	IMIELINSKI et al., "Mobile Wireless Computing: Solutions And Challenges In Data Management", Dept. of Computer Science, Rutgers University, 1992
	C18	DOUGLAS, "Transparent Process Migration: Design Alternatives And The Sprite Implementation", Software-Practice And Experience, Vol.; 21(8), 757-785, 08/1991
	C19	BARTAL et al., "The Distributed k-Server Problem –A Competitive Distributed Translator for k-Server Algorithms, 1992
	C20	BARBARA et al., "Replicated Data Management In Mobile Environments: Anything New Under The Sun?", 10/22/1993
PHD	C21	HUANG et al., "Object Allocation In Distributed Databases And Mobile Computers", 02/1994

EXAMINER SIGNATURE	ノリア	DATE CONSIDERED	01	03	og

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspin.got on MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reper or must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEFES OR COMPLETED ENERGY STATES ADDRESS. Send TO Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.

FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

Rev. Sept. 03

Approved for use through 09/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

	Under the Pap	erwork Reduction act of	1995, no persons are requi	red to respond to a collection of information unless it contains	a valld OMB control number.	
0 1 17 12 6	Substitute for form 1449A/PTO			Complete if Known		
Substitute for	10m 1449A/P10			Application Number		
	INFORMATI	ON DISCLO	Filing Date			
		T BY APPLI	First Named Inventor			
	STATEMEN	II DI APPLI	CAN	Group Art Unit		
				Examiner Name		
	(use as man	y sheets as necessa	iry)	Attorney Docket Number		
Sheet	1	of	4	Altorney booket Number		

Examiner Initial*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages Releva	, Columns, Lines, Where ant Passages or Relevan Figures Appear
PHD	A7	5,295,154	03/15/1994	Meier et al.		1
	A8	5,394,436	02/28/1995	Meier et al.		
	A9	5,732,359	03/24/1998	Baranowsky		
	A10	5,574,973	11/12/1996	Borth		
	A11	5,550,895	08/27/1996	Burson		
	A12	5,325,419	06/28/1994	Connolly		
	A13	5,533,097	07/02/1996	Crane		
	A14	5,712,868	01/27/1998	Stern		
	A15	5,257,401	10/26/1993	Dahlin		
	A16	5,550,895	08/27/1996	Burson		
	A17	5,535,432	07/09/1996	Dent		
	A18	6,542,716	04/01/2003	Dent		
	A19	5,371,734	12/06/1994	Fischer		
	A20	5,371,734	12/06/1994	Fischer		
1	A21	4,715,354	12/29/1987	Hacker		
	A22	5,796,727	08/18/1998	Harrison		
	A23	5,285,208	02/08/1994	Bertiger		
	A24	5,343,512	08/30/1994	Wang		
	A25	5,367,304	11/22/1994	Jan		
	A26	5,410,728	04/25/1995	Bertiger -		
	A27	6,006,100	12/21/1999	Koenck		
	A28	5,452,471	09/19/1995	Leopold		
	A29	5,422,934	06/06/1995	Massa	1	
	A30	5,392,460	02/21/1995	Matilla		
	A31	5,117,449	05/26/1992	Metroka		
	A32	5,251,117	11/09/1993	Olson		
	A33	5,414,432	05/09/1995	Penny, Jr.	1	
	A34	5,008,925	04/16/1991	Piereh		
	A35	5,854,954	12/29/1998	Sainton		
	A36	5,093,926	03/03/1992	Sasuta		
<u> </u>	A37	5,210,785	05/11/1993	Sato	1	
DHD	A38	5,712,868	01/27/1998	Stern		V

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if to tin conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'I Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.

FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

SIGNATURE

Approved for use through 09/30/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction act of 1995, no persona are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary))

2 Of Sheet

Complete if h	Known
Application Number	10/736,068
Filing Date	December 15, 2003
First Named Inventor	Mahany et al.
Group Art Unit	2616
Examiner Name	-Vu, Huy Duy
Attorney Docket Number	14235US02

			U.S. PATENT DO	CUMENTS	
Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code 2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PHD	A39	5,301,359	04/05/1994	Van Den Heuvel	
1	A40	5,343,512	08/30/1994	Wang	
	A41	5,303,286	04/12/1994	Wiedeman	
	A42	4,989,230	01/29/1991	Gillig	
	A43	5,227,802	07/13/1993	Pullman	
	A44	5,261,117	11/09/1993	Olson	
	A45	5,331,634	07/19/1994	Fischer	
1	A46	5,668,837	09/16/1997	Dent	
PHD	A47	5,854,985	12/29/1998	Sainton	V

FOREIGN PATENT DOCUMENTS								
Examiner Cite		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	78		
Initials*		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY Applicant of Cited Document		Where Relevant Passages or Relevant Figures Appear	١.		
PHD	B1	WO 94/11967	05/26/1994	Weeks				
1	B2	WO 96/05592	02/22/1996	Qualcomm		_		
V	B3	WO 92/02084	02/06/1992	Koenck		_		

		OTHER ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published						
PHD C15		BARBARA et al., "Replicated Data Management In Mobile Environments: Anything New Under The Sun?", 10/22/1993						
	C16	BARTAL et al., "The Distributed k-Server Problem –A Competitive Distributed Translator for k-Server Algorithms, 1992						
	C17	BLAZE, "Caching In Large-Scale Distributed File Systems", PhD thesis, Princeton University, 01/1993						
Implementation", Software-Practice And Experience, Vo		DOUGLAS, "Transparent Process Migration: Design Alternatives And The Sprite Implementation", Software-Practice And Experience, Vol.; 21(8), 757-785, 08/1991						
	HUANG et al., "Object Allocation In Distributed Databases And Mobile Computers", 02/1994							
	HUANG, "Data Replication For Mobile Computers", ACM-SIGMOD, 05/1994							
V	C21	IMIELINSKI et al., "Mobile Wireless Computing: Solutions And Challenges In Data Management", Dept. of Computer Science, Rutgers University, 1992						

DATE CONSIDERED **EXAMINER** PHUOC 01 DOAN 03 o 🛚

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy

of this form with next communication to applicant.

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 09/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction act of 1995, no persona are required to respond to a collection of information unless it displays a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO 10/736,068 Application Number December 15, INFORMATION DISCLOSURE Filing Date 2003 STATEMENT BY APPLICANT First Named Inventor Mahany et al. Group Art Unit 2616 (use as many sheets as necessary)) **Examiner Name** Vu; Huy Duy 14235US02 Attorney Docket Number 4 Sheet 3 Of

		OTHER ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					
PHD	C22	Defendant And Counterclaim Plaintiff Qualcomm Incorporated's Final Invalidity Contentions For U.S. Patent No. 5,657,317					
	C23	"Advanced Mobile Phone System", Bell System Technical Journal, Vol. 58, No. 1, 01/1979					
	C24	BIBA, "A Hybrid Wireless MAC Protocol Supporting Asynchronous And Synchronous MSDU Delivery Services", IEEE 802.11 Wireless Access Methods and Physical Layer Specifications, 09/1991					
	C25 LAU, et al., "Hand-Off Analysis For An Integrated Satellite And Terrestrial Mob A Fading Channel", IEEE 1992						
	C26 FISHER, "Dual Mode Mobil Unit For Next Generation Digital Narrow Channel Cell Telephone System", 38th IEEE Vehicular Technology Conference Proceedings, 1 547						
	C27 EIA/TIA Interim Standard: Recommended Minimum Performance Standards for 800 Mode Mobile Stations IS-55, 12/1991						
	C28	Digital European Cordless Telecommunications (DECT) Standard, first published in 1991, standardized in 10/1992					
	FIFER et al., "The Low Cost Packet Radio", IEEE Proceedings, Vol. 75, No. 1, pp. 33-43, 01-1987						
	C30	YU, "Overview of EIA/TIA IS-41", IEEE 1992					
	C31	Defendant Qualcomm Incorporated's Supplemental Responses To Plaintiff Broadcom Corporation's First Set Of Interrogatories (Nos. 1-19)					
	C32	Defendant Qualcomm Incorporated's Second Supplemental Responses To Plaintiff Broadcom Corporation's First Set Of Interrogatories (Nos. 1-19), 03/01/2006					
	C33 Defendant Qualcomm Incorporated's Third Supplemental Responses To Plaintiff Broad Corporation's First Set Of Interrogatories (Nos. 5, 10) C34 Defendant Qualcomm Incorporated's Fifth Supplemental Responses To Plaintiff Broad Corporation's First Set Of Interrogatories (Nos. 2-4, 60 And First Supplemental Responses Interrogatory No. 18						
	C35	BARANOWSKY, "MSAT and Cellular Hybrid Networking," Proceedings of the Third International Mobile Satellite Conference, June 16-18, 1993, pp. 149-54.					
C36 CONNELLY, "The Westinghouse Series 1000 Mobile Phone: Technology and A Proceedings of the Third International Mobile Satellite Conference, June 16-18, 79.							
PHD	C37	Proposed EIA/TIA Interim Standard Wideband Spread Spectrum Digital Cellular System Dual-Mode Mobile Station - Base Station Compatibility Standard ("Bluebook"), April 21, 1992.					
EXAMINER	PHI	UOC DOAN DATE CONSIDERED 01 03 08					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy

of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

The Emperor must precede the serial number of the patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Skind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible.

Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 09/30/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction act of 1995, no persona are required to respond to a collection of information unless it displays a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO **Application Number** 10/736,068 INFORMATION DISCLOSURE December 15, Filing Date 2003 STATEMENT BY APPLICANT First Named Inventor Mahany et al. Group Art Unit 2616 (use as many sheets as necessary)) **Examiner Name** Vu, Huy Duy Attorney Docket Number 14235US02 4 Of 4 Sheet

		OTHER ART NON PATENT LITERATURE DOCUMENTS				
Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				
		TIA/EIA Interim Standard Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular Systems ("IS-95"), July 1993.				
	C39	European Telecommunication Standard, ETS 300 175-1, "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface, Part 1: Overview," October 1992.				
1	C40	TORRE, "Speakeasy - A New Direction in Tactical Communications for the 21st Century," IEEE 1992.				
PHD	C41	FYE, "Expert Report of Donald M. Fye Regarding U.S. Patent No. 5,657,317", with exhibits 1-13, 12/22/2006				

						<u></u>
EXAMINER	PHUOC	DOAN	DATE CONSIDERED	01	03	08

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy

of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible.

Applicant is to place a check mark here if English language Translation is attached.